1   **50931/PAN/B600** - BP1005-CON3

ABSTRACT OF THE DISCLOSURE

      Digital data signals at a variable input frequency are
5   converted by a numerically controlled oscillator and an
interpolator to a signal at a fixed output sampling frequency.
The conversion of the variable input frequency to the fixed
output sampling frequency may be by a factor other than an
integer.   The interpolated digital data signals at the fixed
10   output sampling frequency are then modulated into a pair of
trigonometric signals at a programmable carrier frequency, one
signal having a cosine function and the other signal having a
sine function.   The modulated signals at the fixed output
sampling frequency are then combined to create a modulated
15   signal at a carrier frequency determined by the frequency of
the sine and cosine signals.   The modulated signal is sampled
at the fixed output sampling frequency and converted to a
corresponding analog signal using a digital-to-analog
converter.
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